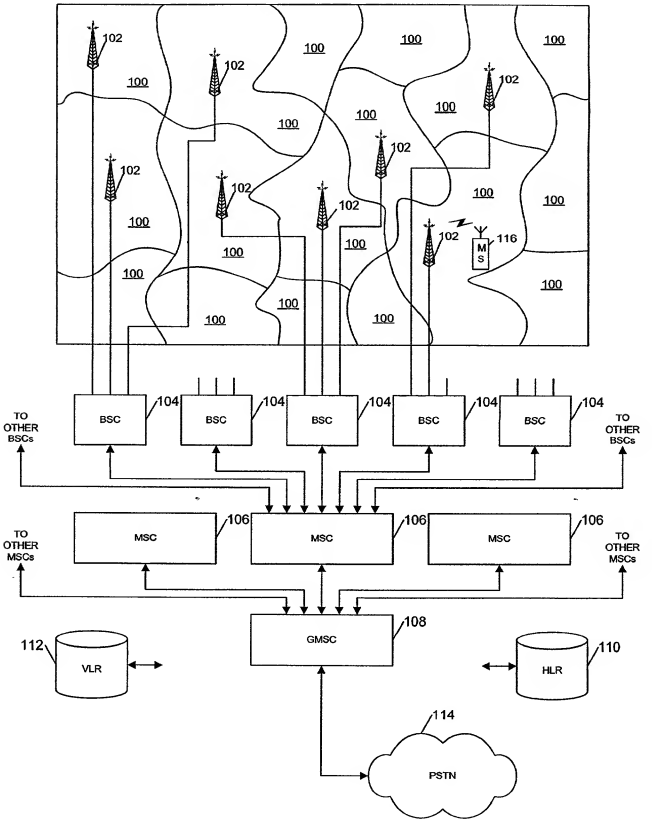

Figure 1a
(PRIOR ART)

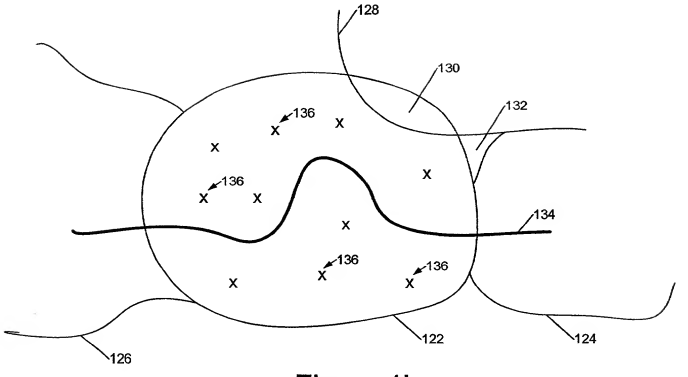

Figure 1b
(PRIOR ART)

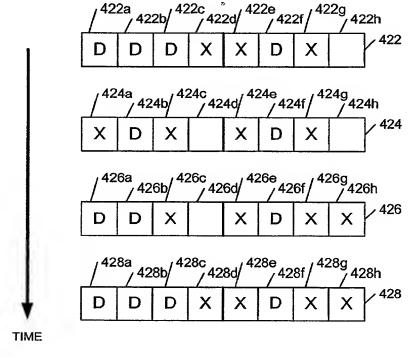

Figure 4b
(PRIOR ART)

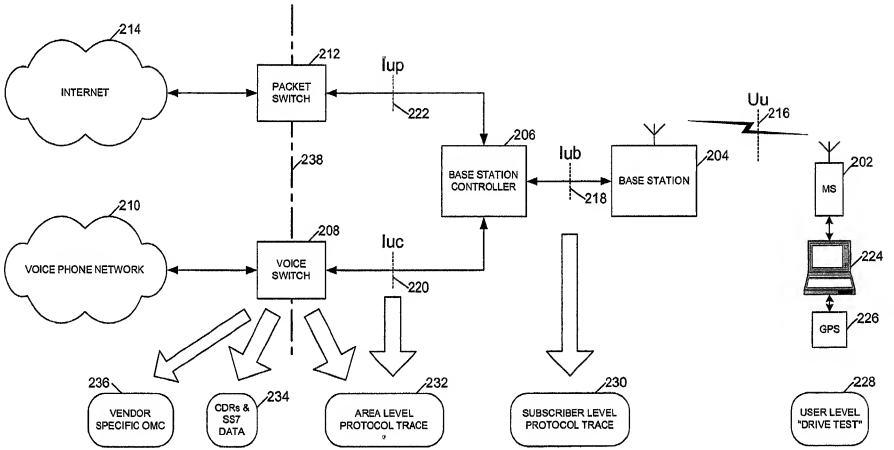

Figure 2
(PRIOR ART)

200

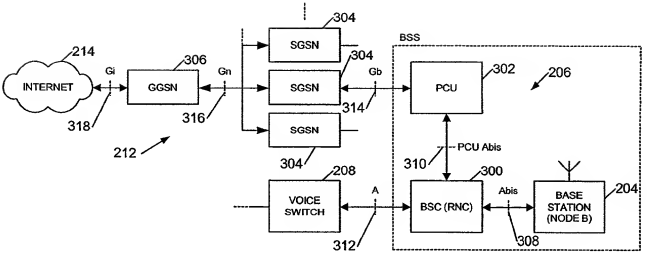

Figure 3a
(PRIOR ART)

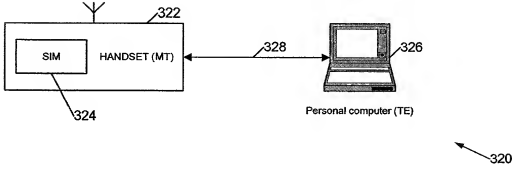

Figure 3b
(PRIOR ART)

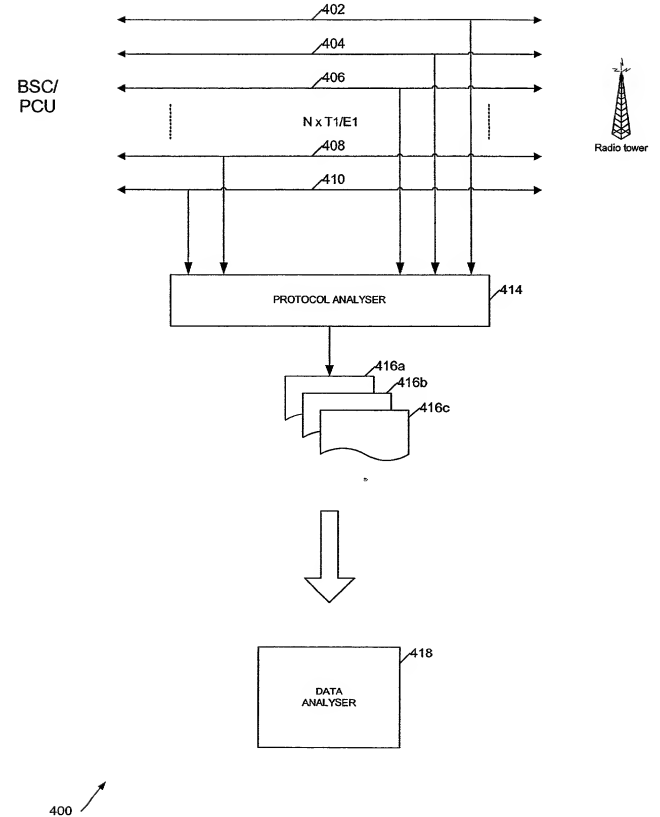

Figure 4a
(PRIOR ART)

520
520f
520e
520d
520c
520b
520a
VOICE
VOICE
VOICE
GPS
STATS
VOICE
OR
516
516f
516e
516d
516c
516b
516a
DATA
DATA
DATA
GPS
STATS
DATA
510
GPS
508
502
MS
Uu
504
BASE STATION
Iub
506
BASE STATION CONTROLLER
512
PROTOCOL ANALYSER
514
522
522f
522e
522d
522c
522b
522a
VOICE
VOICE
VOICE
GPS
STATS
VOICE
OR
518
518f
518e
518d
518c
518b
518a
DATA
DATA
DATA
GPS
STATS
DATA

Figure 5

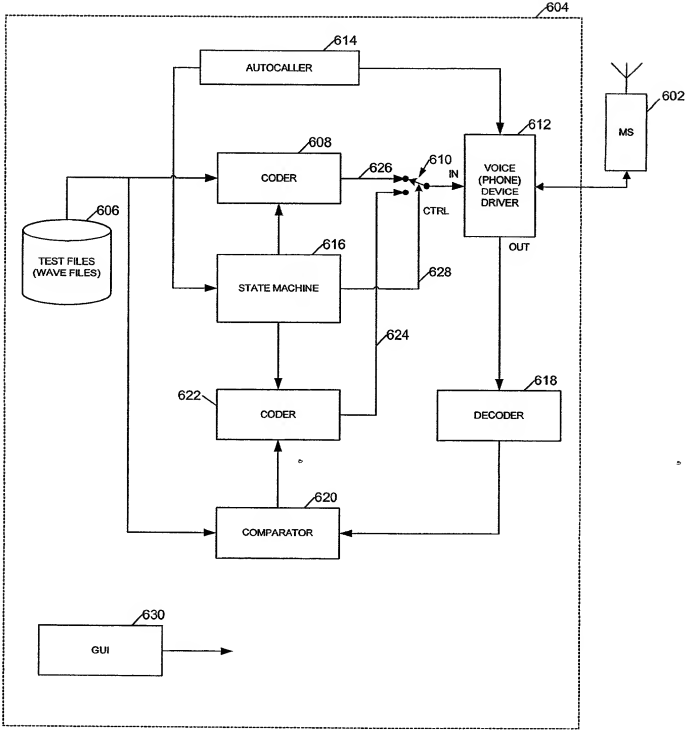
604
614
AUTOCALLER
602
MS
612
608
CODER
626
610
IN
VOICE (PHONE) DEVICE DRIVER
606
CTRL
TEST FILES (WAVE FILES)
616
OUT
STATE MACHINE
628
624
622
CODER
618
DECODER
620
COMPARATOR
630
GUI
600

Figure 6

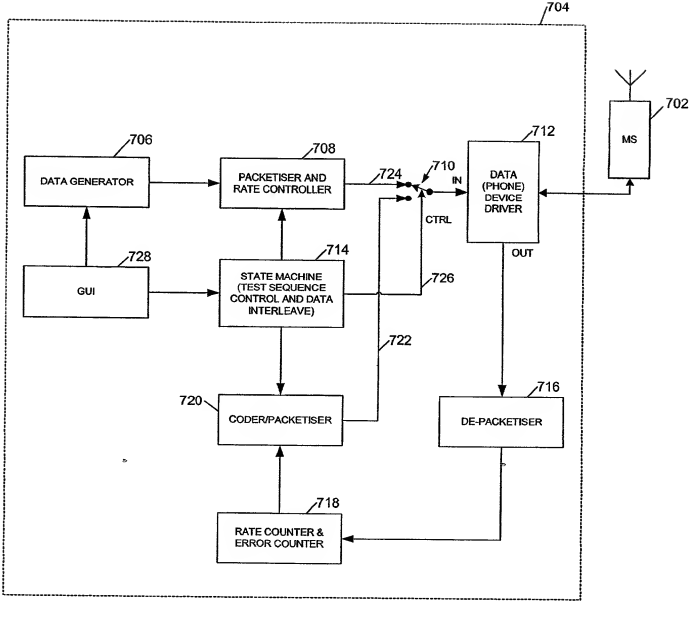
704
702
MS
706
DATA GENERATOR
708
PACKETISER AND RATE CONTROLLER
724
710
IN
712
DATA (PHONE) DEVICE DRIVER
CTRL
OUT
728
GUI
714
STATE MACHINE (TEST SEQUENCE CONTROL AND DATA INTERLEAVE)
726
722
720
CODER/PACKETISER
716
DE-PACKETISER
718
RATE COUNTER & ERROR COUNTER
700

Figure 7

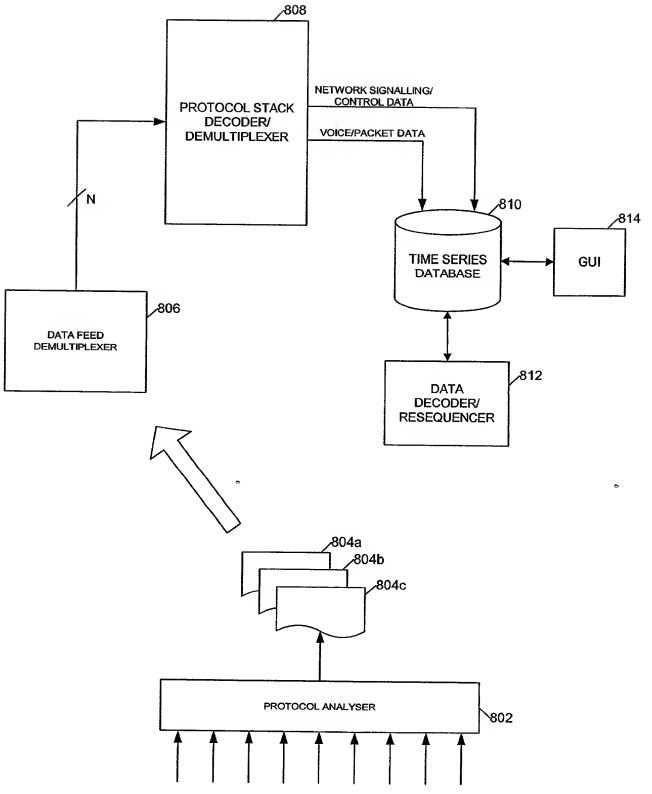
808
PROTOCOL STACK DECODER/ DEMULTIPLEXER
NETWORK SIGNALLING/ CONTROL DATA
VOICE/PACKET DATA
N
810
814
TIME SERIES DATABASE
GUI
806
DATA FEED DEMULTIPLEXER
812
DATA DECODER/ RESEQUENCER
804a
804b
804c
PROTOCOL ANALYSER
802
800

Figure 8

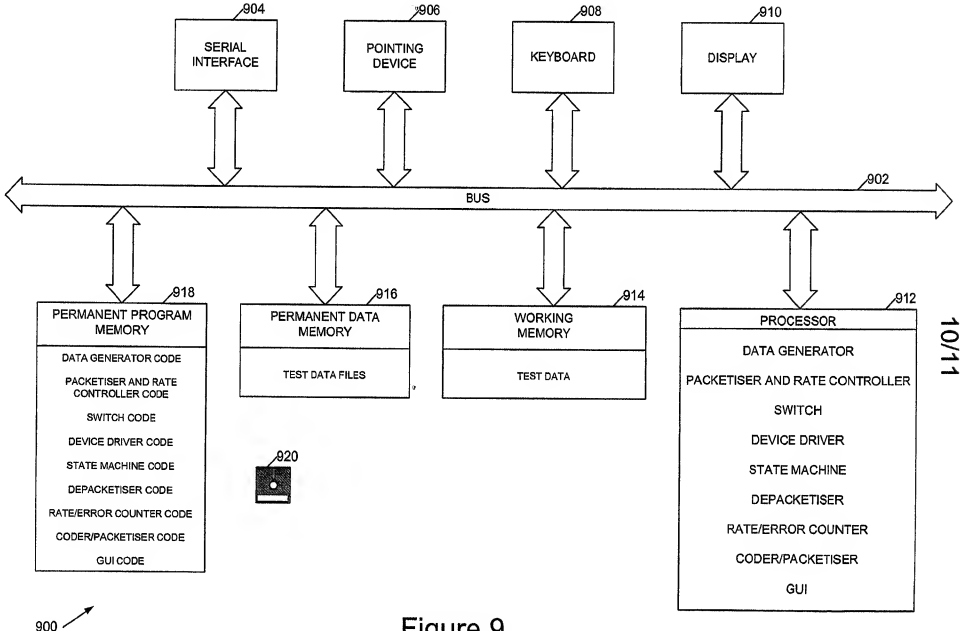
904
SERIAL INTERFACE
906
POINTING DEVICE
908
KEYBOARD
910
DISPLAY
902
BUS
918
PERMANENT PROGRAM MEMORY
DATA GENERATOR CODE
PACKETISER AND RATE CONTROLLER CODE
SWITCH CODE
DEVICE DRIVER CODE
STATE MACHINE CODE
DEPACKETISER CODE
RATE/ERROR COUNTER CODE
CODER/PACKETISER CODE
GUI CODE
916
PERMANENT DATA MEMORY
TEST DATA FILES
914
WORKING MEMORY
TEST DATA
912
PROCESSOR
DATA GENERATOR
PACKETISER AND RATE CONTROLLER
SWITCH
DEVICE DRIVER
STATE MACHINE
DEPACKETISER
RATE/ERROR COUNTER
CODER/PACKETISER
GUI
920
900

Figure 9

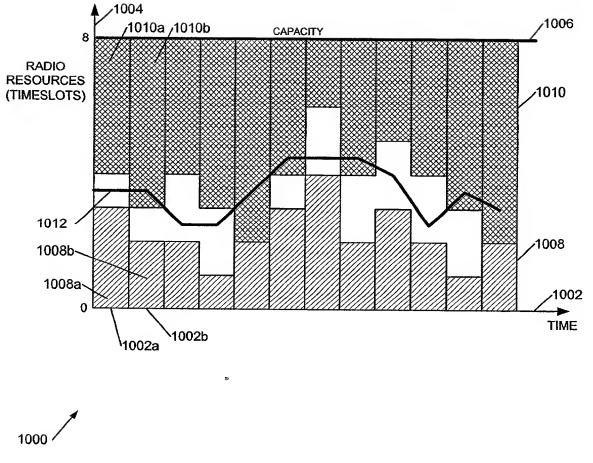
1004
1010a
1010b
CAPACITY
1006
8
RADIO
RESOURCES
(TIMESLOTS)
1010
1012
1008b
1008a
1008
0
1002
TIME
1002a
1002b
1000

Figure 10